

BNL Groundwater Protection Group
*Responses to June 24, 2021 EPA Comments on February 24, 2021, 2020 Environmental Monitoring Report, Current and Former
Landfill Areas*

Comment Number	Section/ Page	Comment	Response
Sharon Hartzell (EPA) to Bob Howe (BSA) Email, June 24, 2021			
COMMENTS: I apologize for the delay here. Our hydrogeologist reviewed and is asking whether two wells can continue to be sampled, perhaps working them into another sampling network. His notes are below. We are happy to discuss if you wish. Thanks, Sharon			
1	Groundwater monitoring well 086-42	It appears there is very little contamination coming from the Former Landfill at this point. However well 086-42 has some chemical concentrations, including a small amount of PFOS. It seems that well is upgradient of the Former Landfill.	Well 086-42 has not had VOC or radiological detections above AWQS or DWS for the last 20 years, except for PFOS. There was a PFOS result of 10.1 ng/L in August of 2020. This well is located upgradient of the Former Landfill and the recent sitewide PFAS investigation indicates this is likely from an upgradient source. This well will be reviewed for inclusion in a PFAS monitoring program that will be established after a comprehensive remedial investigation is completed. The Former Landfill groundwater sampling program will however be discontinued.
2	Groundwater monitoring well 097-277	Well 097-277 is sidegradient of the Former Landfill and downgradient of the Interim Landfill. It shows a small rising trend, although the concentration levels are very low.	Well 097-277 has not had VOC or radiological detections above AWQS or DWS for the last 20 years. The slight upward trend is for chloroform which is still less than half of the 7 ug/L standard. The NYSDEC has already accepted the recommendations in the <i>2020 Environmental Monitoring Report Current and Former Landfill Areas</i> and we believe the Former Landfill groundwater sampling program should be discontinued.

BNL Groundwater Protection Group
Responses to June 18, 2021 SCDHS Comments on February 24, 2021 2020 Environmental Monitoring Report, Current and Former Landfill Areas

Comment Number	Section/ Page	Comment	Response
Jonathan Wanlass (SCDHS) to Robert Gordon (BHSO) Letter, June 18, 2021			
1	NA	Per- and Polyfluoroalkyl Substances (PFAS) and 1-4 Dioxane are two constituent that have been associated with landfills throughout Suffolk County. BNL's 2020 groundwater sampling event showed detections of PFAS and 1-4 Dioxane in monitoring wells associated with the Former landfill. In light of this the Suffolk County Department of Health Services is recommending at least one more round of groundwater samples be collected for PFAS and 1-4 Dioxane at the Former landfill site.	The data presented in the <i>2020 Environmental Monitoring Report Current and Former Landfill Areas</i> does not indicate 1,4-dioxane being associated with the Former Landfill. The four wells sampled as part of the program were in fact non-detect for 1,4-dioxane. Additionally, previous data collected from the wells associated with the Former Landfill also show non-detect for 1,4-dioxane. There was a PFOS result of 10.1 ng/L in August of 2020 in well 086-42. This well is located upgradient of the Former Landfill and the recent sitewide PFAS investigation indicates this is likely from an upgradient source. This well will be reviewed for inclusion in a PFAS monitoring program that will be established after a comprehensive remedial investigation is completed. The Former Landfill groundwater sampling program will however be discontinued.